



Approved for use through 07/31/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substance number 1449A/PTO

**(use as many sheets as necessary)**

**Complete if Known**

Application Number	10/644,235
--------------------	------------

Filing Date	08/20/2003
-------------	------------

First Named Inventor	Gill et al.
----------------------	-------------

**Art Unit**

Examiner Name

Sheet

1

of

2

Attorney Docket Number	100.2483
------------------------	----------

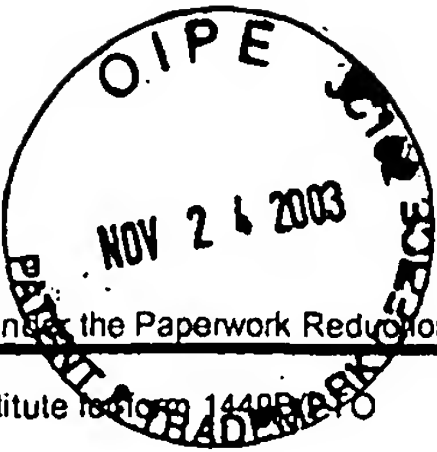
## U.S. PATENT DOCUMENTS

[illegible]

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

***If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.***



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/08B (06-03)  
Approved for use through 06/30/2003. OMB 0851-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/644,235
				Filing Date	08/20/2003
				First Named Inventor	Gill et al.
				Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	100.2483

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
NC		Fiber Optic Components: External Modulators, <a href="http://www.fiber-optics.info/articles/external-mod.htm">http://www.fiber-optics.info/articles/external-mod.htm</a> , Publisher: Force, Incorporated, accessed 04/22/2003	
NC		KLOEPPEL, All-Optical Frequency Shifter is Fast and Accurate, <a href="http://www.news.uiuc.edu/scitips/03/0311frequency.html">http://www.news.uiuc.edu/scitips/03/0311frequency.html</a> , 03/11/2003, Publisher: News Bureau, University of Illinois at Urbana-Champaign	
NC		LEE ET AL., Demonstration of a Photonically Controlled RF Phase Shifter, IEEE Microwave and Guided Wave Letters, September 1999, Page(s) 357-359, Volume 9, Number 9	
NC		Modulator Technology, <a href="http://www.pacificwaveind.com/html/f-pwc_modulator.htm">http://www.pacificwaveind.com/html/f-pwc_modulator.htm</a> , Publisher: Pacific Wave Communications, accessed 04/23/2003	
NC		Phase Shifter Technology, <a href="http://www.pacificwaveind.com/html/f-pwc_phase.htm">http://www.pacificwaveind.com/html/f-pwc_phase.htm</a> , Publisher: Pacific Wave Communications, accessed 04/23/2003	
NC		SANGER, How Fiber Optics Works, The Industrial Physicist, February/March 2002, Page(s) 18-21	
NC		SONG, DWDM and the Future Integrated Services Networks, IEEE Canadian Review, Spring 2000, Page(s) 5-7	
NC		STARK ET AL., Line Coding for Dispersion Tolerance and Spectral Efficiency: Duobinary and Beyond, Optical Fiber Communication Conference, International Conference on Integrated Optics and Optical Fiber Communication, OFC/IOOC, Technical Digest, 1999, Page(s) 331-333, Volume 2	
NC		Using the Lithium Niobate Modulator: Electro-Optical and Mechanical Connections, Technical Note, April 1998, Page(s) 1-12, Publisher: Lucent Technologies Microelectronics Group	
NC		WOOTEN ET AL., A Review of Lithium Niobate Modulators for Fiber-Optic Communications Systems, IEEE Journal of Selected Topics in Quantum Electronics, January/February 2000, Page(s) 69-82, Volume 6, Number 1	

Examiner Signature	/Nathan Curs/	Date Considered	11/20/2006
--------------------	---------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.